



YAMA.P113

PATENT

APPROVED

In Part
SEP 19 1994
S- Jones

FOR THE COMMISSIONER OF PAT. & T.M.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Number: 5,317,016

Issued: May 31, 1994

Name of Patentee: Nishitani et al

Title of Invention: PYRROLIDYLTHIOCARBAPENEM DERIVATIVE

RECEIVED

SEP - 6 94

CERTIFICATE
OF
CORRECTION
BRANCH
PATENT & TRADEMARK OFFICE**Commissioner of Patents and Trademarks
Washington, D.C. 20231****ATTENTION: Decision and Certificate of Correction
Branch of the Patent Issue Division****REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT
FOR PTO MISTAKE (37 CFR 1.322(a))**

1. Attached in duplicate is Form PTO—1050 with at least one copy being suitable for printing.

NOTE: Form PTO—1050, using the column and line number in the printed patent, should be used exclusively regardless of the length or complexity of the subject matter. MPEP § 1485.

NOTE: The patent grant should be retained by the patentee. The PTO does not attach the certificate of correction to the patentee's copy of the patent. The patent grant will be returned to the patentee if submitted. MPEP § 1485.

2. The exact page and line number where the errors are shown correctly in the application file are:

NOTE: This information should be identified in this request, however, on Form PTO—1050, only the column and line number in the printed patent should be used. MPEP § 1485.

Filing Receipt, Applicants, "Yasuhiro Nishitani, Osaka, Japan; Tadashi Irie, Osaka, Japan; Yutaka Nishino, Osaka, Japan".

Original Application, Abstract, line 11, "sufamide".

Original Application, page 2, line 15, "sufamide".

Original Application, page 3, line 8, "sufamide".

Original Application, page 4, line 7, "sufamide".

Original Application, page 14, line 7, "sufamide".

Original Application, page 15, line 8, "sufamide".

Original Application, page 16, line 4, "(VII)".

Original Application, page 19, "Y₂ NPrc (X)"

Original Application, page 19, "HO Y₂ COOH (IV-1)"

Original Application, page 30, line 29, "83.5%".

Original Application, page 40, line 25, "(45 ml)".

Original Application, page 43, "MsO Y₂ NPrc (IV-1)"

Original Application, page 72, "HO Y₂ COOH (IV-1)"

Original Application, page 75, line 5, "4S".

(See attached page 3).

3. Please send the Certificate to:

Name: Neil A. DuChez

Address: Renner, Otto, Boisselle & Sklar

1621 Euclid Avenue, 19th Floor, Cleveland, Ohio 44115

(complete if applicable)

Signature(s) of patentee(s)

or

(type or print name of assignee)

Assignment recorded on

August 14, 1992

Reel 6224

Frame 0329

John L. Lemanowicz
Signature of assignee or person authorized to
sign on behalf of assignee

John L. Lemanowicz

Reg. No. 37,380

(type or print name of authorized person signing)

Patent Attorney

(Title of authorized person signing)

Recordal of assignment attached

Attached is a "CERTIFICATE UNDER 37 CFR 3.73(b)" establishing the right of
the assignee to take action in this case.

NOTE: "A certificate of correction, under 35 U.S.C. 254, may be issued at the request of the patentee or his
assignee." 37 CFR 1.322(a). The certificate of correction can be signed by the attorney of record who
acts on behalf of the inventor(s) or assignee(s).

Amendment (8/9/93), page 2, line 27, "6-proline".

Amendment (8/9/93), page 3, line 12, "methoxybenzyloxycarbo-nyl".

Original Application, page 105, line 1, "(2-".

Original Application, page 108, line 28, "64%".

Original Application, page 115, line 23, "(62 ml)".

Original Application, claim 10, page 123, line 32, "sodium potassium".

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 5,317,016

DATED : May 31, 1994

INVENTOR(S) : Yasuhiro Nishitani and Tadashi Irie

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On item [54]

Title Page, Inventors, Change "Yasuhiro Nishitani; Tadashi; Irie, both of Osaka, Japan" to --Yasuhiro Nishitani, Tadashi Irie, Yutaka Nishino, all of Osaka, Japan--.

Abstract, line 9, change "sufamide" to --sulfamide--.

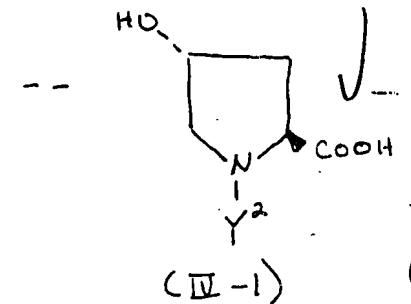
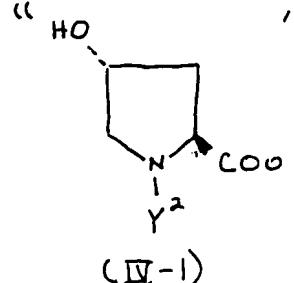
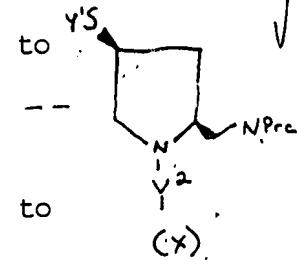
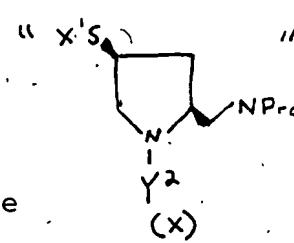
Column 2, lines 16, 42, and 66 change "sufamide", each occurrence, to --sulfamide--.

Column 7, line 34, change "sufamide" to --sulfamide--.

Column 8, line 7, change "sufamide" to --sulfamide--; Line 60, change "(VIII)" to --(VII)--.

Column 9, lines 60-67, change "x's" "

Column 10, lines 54-60, change



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PATENT NO. : 5,317,016

DATED : May 31, 1994

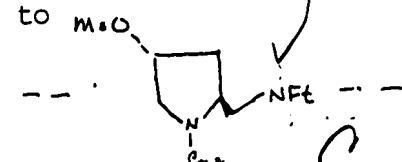
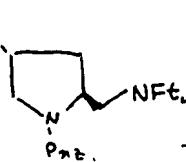
INVENTOR(S) : Yasuhiro Nishitani and Tadashi Irie

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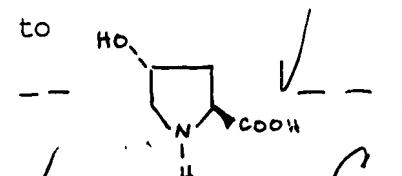
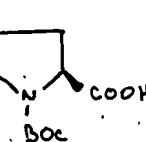
Column 17, line 43, after "83.5" and before "." please insert --%--. C ✓

Column 22, line 49, change "435" to --45--. C ✓

Column 24, lines 1-5, change " mso_O " to " HO "



Column 40, lines 44-49, change " HO " to " H "



Column 42, line 48, change "(2S,4)" to --(2S,4S)--. C ✓

Column 44, line 34, change "-6-" to -- -L- --. atty

Column 55, line 13, delete "-nyl". Ofc ✓)

Column 57, line 63, after "(2" and before "-" delete ")". C)

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PATENT NO. : 5,317,016

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INVENTOR(S) : Yasuhiro Nishitani and Tadashi Irie

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 59, line 56, change "65%" to --64%--.

Column 63, line 39, before "62" insert --(--.

Claim 10, column 68, line 11, after "sodium" and before "potassium" insert --,--.

C

C ✓
C ✓
✓

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